



PEI-05/0018

July 7, 2005

Mr. Keith Quigley
CH2M WG Idaho, LLC
Idaho Cleanup Project
Mail Stop 5105
1955 N. Fremont Avenue
Idaho Falls, ID 83415

Re: Review of Radiation Exposures for INL INTEC Tank Farm, January 2002--June 2005

Dear Keith,

A review of INEEL RWP printouts for INL CPP Tank Farm for January 01, 2002 through June 15, 2005 (attached) was reviewed by John Martin, CHP of Portage Environmental, Inc. The purpose of the review was to provide additional technical basis for worker tank cleaning dose projections associated with Tank Farm Facility waste determinations.

Based upon information exchanged and discussions held during our meeting held on July 06, 2005, the following assumptions have been used in analyzing the attached data:

- (1) Electronic dosimetry results cited for RWPs with process line/valve/box descriptions can generally be regarded as maintenance related and therefore removed from the doses tabulated for tank cleaning activities.
- (2) The balance of the dosimetry results would be used to derive average collective worker doses for each of the seven remaining tank cleaning activities by summing these printout table values and dividing by seven.

Calculations:

Total worker radiation exposure = 1,084 person/mrem (2002 printout total) + 2,255 person/mrem (2003 printout total) + 618 person/mrem (2004 printout total) + 974 person/mrem (2005 printout total through 6/15/05) = **4,931 person/mrem**

Total worker radiation exposure associated with process line/valve/ box is calculated by summing the following RWP numbers and their respective dosimetry values:

RWP 3100302800	81 mrem
RWP 3100302801	18
RWP 3100302900	46
RWP 3100306300	03
RWP 3100321800	692
RWP 3100321801	503
RWP 3100321802	95
RWP 3100322200	04
RWP 3100322201	04
RWP 3100340201	121
RWP 3100340300	09
RWP 3100358701	103
RWP 3100359900	09
RWP 3100505201	44
RWP 3100507903	164
RWP 3100507905	248
RWP 3100507906	62
RWP 3100507907	06
RWP 3100508001	44
RWP 3100508002	147
RWP 3100508003	165

Worker Process Line/Valve/Box-Dose = 2,568 person/mrem

Worker Tank Cleaning Dose = Balance of RWP dosimetry results

Balance = 4,931 (total) – 2,568 (process line/valve/box) = 2,363 person/mrem

Average Collective Worker Dose for the Remaining 7 Tanks

2,363 person/mrem divided by 7 yields: 337.57 or 338 person/mrem

Please contact me at 208-227-1357 or jmartin@portageenv.com for any additional questions or comments regarding tank cleaning dose projection data presented in this letter.

Sincerely,



John Martin
CHP MPH

cc: Portage Letter File
Lisa Aldrich, PEI Document Control

RWP's by Revision for Selected Units

Printed on: 06/15/2005

Begin and End Dates: 01/01/2002 Thru 12/31/2002

INL CPPTF	CPP TANK FARM				DAC Hrs	Status	Description
	RWP No.	Est Hours	ED Estimate	Approved Estimate			
	31001758 00	98.5	7	450	0	CLOSED	TANK FARM GENERAL WORK ACTIVITIES.
	31001758 01	635.0	81	450	0	CLOSED	TANK FARM GENERAL WORK ACTIVITIES.
	31001758 02	2,012.6	242	450	0	COMPLETE	TANK FARM GENERAL WORK ACTIVITIES.
	31001853 00	28.4	0	100	0	CLOSED	TANK FARM REACH ACROSS, GLOVEBAG AND GLOVEBOX GENERAL WORK
	31001853 01	28.5	2	100	0	CLOSED	TANK FARM REACH ACROSS, GLOVEBAG AND GLOVEBOX GENERAL WORK
	31001853 02	85.9	7	100	0	COMPLETE	TANK FARM REACH ACROSS, GLOVEBAG AND GLOVEBOX GENERAL WORK
	31002006 00	10.3	2	100	0	CLOSED	TANK FARM DECON TENT ROUTINE WORK AND SURVEYS.
	31002006 02	1.2	0	100	0	CLOSED	TANK FARM DECON TENT ROUTINE WORK AND SURVEYS.
	31002006 03	7.3	1	100	0	COMPLETE	TANK FARM DECON TENT ROUTINE WORK AND SURVEYS.
	31002007 01	17.8	2	100	0	CLOSED	TANK FARM DEMO TENT ROUTINE WORK AND SURVEYS.
	31002007 02	8.3	0	100	0	COMPLETE	TANK FARM DEMO TENT ROUTINE WORK AND SURVEYS.
	31002114 00	6.7	0	10	0	CLOSED	WO# 42563 CORE DRILL, CHIP AND SAW RISER BLOCKS TANK FARM
	31002154 00	73.4	6	100	0	CLOSED	TANK FARM WEATHER COVER, SHIELD PLUG AND GENERAL HATCH PULLS
	31002154 01	27.5	9	100	0	COMPLETE	TANK FARM WEATHER COVER, SHIELD PLUG AND GENERAL HATCH PULLS
	31002170 01	170.2	70	150	0	CLOSED	TANK FARM JET, PROBE AND CAMERA INSTALLATION, REMOVAL & DEMO
	31002170 02	128.8	63	150	0	CLOSED	TANK FARM JET, PROBE AND CAMERA INSTALLATION, REMOVAL & DEMO
	31002170 04	186.2	132	150	0	COMPLETE	TANK FARM JET, PROBE AND CAMERA INSTALLATION, REMOVAL & DEMO
	31002182 00	17.7	34	150	0	COMPLETE	WO # 42563-02 TANK FARM VES-WM-187 VIDEO INSPECTION
	31002186 01	110.5	12	240	0	CLOSED	PULL CORROSION COUPONS FROM TANK FARM VESSELS.
	31002254 00	1.9	0	250	0	CLOSED	ENTRY, TRANSPIERS AND SURVEYS IN C-29 VALVE BOX CAGE AREA.
	31002258 00	10.3	3	50	0	CLOSED	DECON TANK FARM VALVE BOXES, RISERS, TRENCHES & RADCON SURVEYS
	31002258 01	58.3	12	50	0	COMPLETE	DECON TANK FARM VALVE BOXES, RISERS, TRENCHES & RADCON SURVEYS
	31002267 01	6.1	0	25	0	COMPLETE	5 YEAR PM ON VALVES IN CONTROL PITS ON THE TANK FARM
	31002268 01	6.2	1	25	0	COMPLETE	TANK FARM CLOSEURE REMOTE VIDEO INSPECTIONS, SETUP & SURVEYS.
	31002292 00	3.8	0	50	0	COMPLETE	ROUTINE ENTRIES INTO C-29 AND C-31 VALVE BOX CAGE AREAS.
	31002304 01	2.8	0	50	0	CLOSED	REMOVE HATCHES AND INITIAL RADCON SURVEYS CPP 722 & 721.

RWPs by Revision for Selected Units

Printed on: 06/15/2005

Begin and End Dates: 01/01/2002 Thru 12/31/2002

INL CPPTF	CPP TANK FARM			DAC	Status	Description
	RWP No.	Est Hours	ED Estimate			
	31002304 02	36.3	0 50	0		COMPLETE REMOVE HATCHES AND INITIAL RADCON SURVEYS CPP 722 & 721.
	31002310 00	10.2	21 150	0		CLOSED HIGH RAD ENTRIES FOR THE TANK FARM CLOSURE
	31002310 01	11.1	13 150	0		CLOSED HIGH RAD ENTRIES FOR THE TANK FARM CLOSURE
	31002310 02	48.9	37 150	0		COMPLETE HIGH RADIATION ENTRIES TO WORK ON TANK FARM JETS AND PROBES.
	31002322 01	12.4	1 25	0		COMPLETE DECON CONTAINMENT TENT TR-52
	31002374 00	7.7	1 250	0		CLOSED WM-182 SIMPLE SAMPLER WORK. RADCON SURVEYS.
	31002374 01	22.3	0 250	0		COMPLETE PULL TANK FARM SAMPLES. GLOVE BAG WORK. RADCON SURVEYS.
	31002405 00	23.3	15 25	0		COMPLETE DECON CONTAINMENT TENT TR-13. RADCON SURVEYS.
	31002426 00	16.0	5 250	0		CLOSED PULL TANK FARM SAMPLES WITHOUT A GLOVE BAG. RADCON SURVEYS.
	31002431 00	74.1	10 250	0		COMPLETE PULL TANK FARM SAMPLES. RESPIRATOR REQUIRED. RADCON SURVEYS.
	31002435 00	273.7	241 150	0		COMPLETE TANK FARM JET, PROBE & CAMERA INSTALLATION, REMOVAL & DEMO
	31002456 00	38.6	3 25	0		COMPLETE SUPPORT STEAM JET WORK, STRAINER REMOVAL & SURVEYS IN 619.
	31002474 00	1.8	0 25	0		COMPLETE RADCON SURVEY OF TR-13 TENT AFTER STEAM PROBLEM.
	31002514 00	110.0	18 50	0		COMPLETE LOW RISK JET, PROBE, DIRECTIONAL NOZZEL, CAMERA, WASHBALL WORK.
	31002521 01	1.5	0 25	0		COMPLETE INITIAL ENTRY SURVEYS OF TANK FARM TENTS.
	31002529 00	88.1	33 100	0		COMPLETE HIGH RISK JET, PROBE, DIRECTIONAL NOZZEL, CAMERA, WASHBALL WORK.
	31002612 00	22.2	0 50	0		COMPLETE DECON, CLEAN-UP & ROUTINE WORK IN CPP 722 & 721. SURVEYS.
UIN						
Total		4,541.8	1,084	0		

RWPs by Revision for Selected Units

Printed on: 06/15/2005

Begin and End Dates: 01/01/2003 Thru 12/31/2003

INL		CPP TANK FARM		Approved		DAC		Status Description	
CPPTF	RWP No.	Days Hours	Estimate	Hrs	Hrs				
	31002720 00	235.1	6 499	0	0	COMPLETE TANK FARM REACH ACROSS, GLOVE BAG & GLOVE BOX GENERAL WORK.			
	31002722 00	4,216.5	166 499	0	0	COMPLETE TANK FARM GENERAL WORK ACTIVITIES. RADCON SURVEYS.			
	31002743 00	301.8	115 200	0	0	COMPLETE HIGH RISK JET, PROBE, DIRECTIONAL NOZZEL, CAMERA, WASHBALL WORK.			
	31002744 00	97.8	7 100	0	0	CLOSED LOW RISK JET, PROBE, DIRECTIONAL NOZZEL, CAMERA, WASHBALL WORK.			
	31002744 01	203.7	88 100	0	0	COMPLETE LOW RISK JET, PROBE, DIRECTIONAL NOZZEL, CAMERA, WASHBALL WORK.			
	31002745 01	98.3	22 250	0	0	COMPLETE PULL TANK FARM SAMPLES. RESPIRATOR REQUIRED.			
	31002746 01	218.1	8 250	0	0	COMPLETE PULL TANK FARM SAMPLES. NO RESPIRATOR REQUIRED.			
	31002747 01	113.1	0 250	0	0	COMPLETE PULL TANK FARM SAMPLES. GLOVE BAG WORK.			
	31002748 00	24.7	5 50	0	0	CLOSED REMOVE & REPAIR REACH RODS, INSTRUMENTS & EQUIPMENT FROM VB.			
	31002748 02	8.3	0 50	0	0	COMPLETE REMOVE & REPAIR REACH RODS, INSTRUMENTS & EQUIPMENT FROM VB.			
	31002750 00	7.1	0 150	0	0	COMPLETE HIGH RADIATION ENTRIES ON THE TANK FARM. RADCON SURVEYS.			
	31002751 01	33.1	10 50	0	0	COMPLETE DECON TANK FARM VALVE BOXES, RISERS & TRENCHES. RADCON SURVEYS			
	31002754 00	134.5	9 100	0	0	COMPLETE TANK FARM WEATHER COVER, SHIELD PLUG AND GENERAL HATCH PULLS			
	31002786 00	1.8	0 25	0	0	COMPLETE TANK FARM STEAM JET, STEAM VALVE & STRAINER REMOVAL & REPAIR			
	31002912 01	25.5	3 50	0	0	COMPLETE INITIAL ENTRY SURVEYS OF TANK FARM VALVE BOXES.			
	31002913 00	12.0	5 100	0	0	COMPLETE REPAIR/REPLACE PUV-WM-335 REACH ROD & ASSOCIATED EQUIPMENT.			
	31003025 00	11.7	5 50	0	0	CLOSED INITIAL ENTRY SURVEYS OF TANK FARM VALVE BOXES. B-3 AND B-4			
	31003025 01	6.6	2 100	0	0	COMPLETE INITIAL ENTRY SURVEYS OF TANK FARM VALVE BOXES. B-3 AND B-4			
	31003027 00	55.4	0 25	0	0	COMPLETE REPACKAGE/SEGREGATE TOOLS AND EQUIPMENT TANK FARM DEMO TENT.			
	31003028 00	47.8	81 250	0	0	CLOSED DECON TANK FARM VALVE BOXES, RISERS & TRENCHES. RADCON SURVEYS			
	31003028 01	25.4	18 250	0	0	COMPLETE DECON TANK FARM VALVE BOXES, RISERS & TRENCHES. RADCON SURVEYS			
	31003029 00	33.4	46 100	0	0	COMPLETE TANK FARM VALVE BOX B-3 & B-4 INSPECTIONS AND MEASUREMENTS.			
	31003063 00	30.0	3 25	0	0	COMPLETE POSITION VALVES IN B-3 AND B-4 TENTS. RADCON SURVEYS.			
	31003145 00	2.0	0 25	0	0	COMPLETE RCRA INSPECTIONS OF B-3 AND B-4 FROM THE TOP. RADCON SURVEYS			
	31003146 01	7.6	1 100	0	0	CLOSED HIGH RAD RISK WEATHER COVER, SHIELD PLUG AND HATCH PULLS.			
	31003146 02	109.5	2 100	0	0	CLOSED HIGH RAD RISK WEATHER COVER, SHIELD PLUG AND HATCH PULLS.			

RWPs by Revision for Selected Units

Printed on: 06/15/2005

Begin and End Dates: 01/01/2003 Thru 12/31/2003

INTL

CPPTF CPP TANK FARM

<u>RWP No.</u>	<u>Est Hours</u>	<u>ED Estimate</u>	<u>DAC Hrs</u>	<u>Status</u>	<u>Description</u>
31003146 03	68.8	1 100	0	0	COMPLETE HIGH RAD RISK WEATHER COVER, SHIELD PLUG AND HATCH PULLS.
31003155 00	6.1	0 300	0	0	COMPLETE PULL TANK FARM SOLID SAMPLES & TRANSFERS TO RAL. SURVEYS.
31003218 00	314.6	692 800	0	0	CLOSED DEMO/INSTALLATION OF B-3 & B-4 PROCESS LINES AND VALVES.
31003218 01	171.9	503 1,000	0	0	CLOSED DEMO/INSTALLATION OF B-3 & B-4 PROCESS LINES AND VALVES.
31003218 02	47.5	95 1,300	0	0	COMPLETE DEMO/INSTALLATION OF B-3 & B-4 PROCESS LINES AND VALVES.
31003222 00	36.3	4 100	0	0	CLOSED DECON/CLEAN TANK FARM VALVE BOX D-5. RADCON SURVEYS.
31003222 01	45.0	4 100	0	0	COMPLETE DECON/CLEAN TANK FARM VALVE BOX D-5. RADCON SURVEYS.
31003239 00	10.4	0 20	0	0	COMPLETE PERFORM RADCON SURVEYS WITHIN BUILDING 1638
31003244 01	17.3	1 250	0	0	CLOSED PULL CORROSION COUPONS FROM TANK FARM VESSELS. TENT WORK.
31003244 02	18.2	20 250	0	0	COMPLETE REMOVE/REPLACE CORROSION COUPONS ON THE TANK FARM. TENT WORK
31003245 01	7.4	1 250	0	0	COMPLETE REMOVE/REPLACE CORROSION COUPONS TANK FARM. GLOVEBAG WORK.
31003255 00	79.6	4 100	0	0	COMPLETE LOW RAD RISK REMOVAL, CUTTING & SIZING OF MATERIAL TANK FARM
31003259 00	19.8	0 50	0	0	COMPLETE C-30 REMOVE AIR MOVER HOSE & EQUIPMENT, DECON & REMOVE TENT.
31003285 00	4.4	0 100	0	0	COMPLETE SR-21 VIDEO INSPECTION. RADCON SURVEYS.
31003302 00	13.7	21 100	0	0	COMPLETE VIDEO INSPECTION OF WM-187. RADCON SURVEYS.
31003319 00	578.6	37 300	0	0	COMPLETE LOW RISK JET, PROBE, DIRECTIONAL NOZZEL, CAMERA, WASHBALL WORK.
31003325 00	803.3	16 200	0	0	COMPLETE ABOVE GROUND TRANSFER LINE WORK & INSPECTIONS. RADCON SURVEY
31003332 00	37.6	0 25	0	0	COMPLETE OPERATIONAL ACTIVITIES IN TANK FARM TENTS. RADCON SURVEYS.
31003381 00	19.1	0 25	0	0	COMPLETE REPLACE PRE-FILTERS ON AIR MOVERS ALL WASTESIDE AREAS.
31003402 01	13.9	121 450	0	0	COMPLETE INITIAL ENTRY SURVEYS OF TANK FARM VALVE BOXES. B-2
31003403 00	5.8	9 100	0	0	COMPLETE TANK FARM VALVE BOX B-2 INSPECTIONS AND MEASUREMENTS.
31003457 00	83.1	2 25	0	0	COMPLETE TANK FARM STEAM JET, STEAM VALVE & STRAINER REMOVAL & REPAIR
31003581 00	23.1	1 10	0	0	COMPLETE REMOVE GLOVEBAGS AND DECON RISERS ON THE TANK FARM. SURVEYS.
31003587 01	8.5	103 300	0	0	COMPLETE DECON AND SHIELD TANK FARM VALVEBOX B-2. RADCON SURVEYS.
31003598 00	5.8	0 50	0	0	COMPLETE DRILL I-BEAMS IN RISERS FOR SAMPLING. RADCON SURVEYS.
31003599 00	5.9	9 100	0	0	COMPLETE DECON & CLEANUP OF B-4 VALVEBOX AND SUMP DRAIN. SURVEYS.

RWPs by Revision for Selected Units

Printed on: 06/15/2005

Begin and End Dates: 01/01/2003 thru 12/31/2003

INL		CWP TANK FARM		Approved		DAC		Status Description	
CPTIF	RWP No.	Est Hours	ED Estimate	Hrs					
	31003649 00	42.9	9	50	0			COMPLETE	TR-20 REMOVAL, EQUIPMENT DEMO, DECON AND BUNKER EXTENSION.
Unit									
Total		8,549.1	2,255		0				

RWPs by Revision for Selected Units

Printed on: 06/15/2005

Begin and End Dates: 01/01/2004 Thru 12/31/2004

INTL

CPPTF CPP TANK FARM

RWP No.	Distal Hours	ED Estimate	Approved	DAC Hrs	Status	Description
31003682 00	235.2	6	499	0	COMPLETE	TANK FARM GENERAL REACH ACROSS, GLOVEBAG & GLOVEBOX WORK.
31003683 01	3,516.2	147	499	0	CLOSED	TANK FARM GENERAL WORK ACTIVITIES. RADCON SURVEYS.
31003683 02	657.4	7	499	0	COMPLETE	TANK FARM GENERAL WORK ACTIVITIES. RADCON SURVEYS.
31003684 01	449.5	27	100	0	COMPLETE	HIGH RISK JET, PROBE, DIRECTIONAL NOZZEL, CAMERA, WASHBALL WORK.
31003685 00	835.8	32	300	0	CLOSED	LOW RISK JET, PROBE, DIRECTIONAL NOZZEL, CAMERA, WASHBALL WORK.
31003686 01	166.9	1	100	0	COMPLETE	HIGH RAD RISK WEATHER COVER, SHIELD PLUG & HATCH PULLS.
31003687 00	160.1	5	100	0	COMPLETE	LOW RAD RISK WEATHER COVER, SHIELD PLUG & HATCH PULLS.
31003688 00	70.4	2	100	0	COMPLETE	OPERATIONAL ACTIVITIES IN TANK FARM TENTS. RADCON SURVEYS.
31003834 00	24.1	2	20	0	COMPLETE	DRILL, CHIP & SAW PRECAST BLOCKS TANK FARM. RADCON SURVEYS.
31003882 00	3.0	0	25	0	COMPLETE	REPLACE HEPA FILTERS ON AIR MOVERS ALL WASTESIDE AREAS.
31003886 00	145.0	7	250	0	COMPLETE	LOW RADIOLOGICAL RISK PULLING TANK FARM SAMPLES. SURVEYS.
31003887 00	389.9	15	150	0	COMPLETE	HIGH RADIOLOGICAL RISK PULLING TANK FARM SAMPLES. SURVEYS.
31003896 00	215.6	30	100	0	COMPLETE	LOW RAD RISK REMOVAL, CUTTING & SIZING OF MATERIAL TANK FARM
31003897 00	141.8	48	100	0	COMPLETE	HIGH RAD RISK REMOVAL, CUTTING & SIZING OF MATERIAL. FARM
31003906 00	9.8	2	100	0	COMPLETE	INITIAL ENTRY SURVEYS OF TANK FARM VALVE BOXES.
31003909 00	34.0	40	250	0	COMPLETE	LOW RAD RISK DECON OF VALVEBOXES, RISERS & TRENCHES.
31003928 00	52.6	31	250	0	COMPLETE	REMOVE/REPLACE CORROSION COUPONS ON THE TANK FARM. TENT WORK
31003964 00	25.7	0	100	0	COMPLETE	TANK FARM VIDEO INSPECTIONS. RADCON SURVEYS.
31003993 00	29.6	5	25	0	COMPLETE	TANK FARM SOIL SAMPLING-RADCON SURVEYS
31004006 01	118.8	22	480	0	COMPLETE	PULL STEAM JET FROM TR-17. TRANSPORT, CUT AND SIZE. SURVEYS.
31004083 00	3.7	4	40	0	COMPLETE	V.B. C-21 INSTALL AND REMOVAL OF FLOOR COVERING-SHIELDING
31004084 00	127.1	55	200	0	COMPLETE	DEMO AND INSTALLATION OF C-21 TRANSFER LINE.
31004087 00	286.7	38	50	0	COMPLETE	ABOVE GROUND TRANSFER LINE WORK & INSPECTIONS. RADCON SURVEY
31004089 01	818.2	13	440	0	COMPLETE	HIGH RAD RISK PUSH PROBE & PULL SAMPLES OF TANK FARM SOIL.
31004090 00	482.1	2	100	0	COMPLETE	LOW RAD RISK PUSH PROBE & GAMMA LOG TANK FARM PROBE HOLES.
31004091 01	461.0	48	440	0	COMPLETE	TANK FARM SOIL SAMPLE PREP, ANALYSIS & PACKAGING. SURVEYS.

R/W's by Revision for Selected Units

Printed on: 06/15/2005

Begin and End Dates: 01/01/2004 Thru 12/31/2004

INTL		CPP TANK FARM		Approved		DAC		Status		Description	
CPPTF	RWP No.	Estal Hours	ED Estimate	Hrs							
	31004208 00	19.8	0	50	0				COMPLETE	ABOVE GROUND TRANSFER LINE WORK & INSPECTIONS. SR-1 TO B-3	
	31004222 00	901.4	12	150	0				COMPLETE	TANK FARM SOIL EXCAVATION AND PAVING PROJECT. RADCON SURVEYS	
	31004237 00	96.6	1	50	0				COMPLETE	PULL WEEDS ON THE TANK FARM. RADCON SURVEYS	
	31004293 00	13.0	0	500	0				COMPLETE	TANK FARM VALVE BOX D2 TROUBLE SHOOT SOV-WM-15, RCT SURVEYS.	
	31004298 00	112.4	16	240	0				COMPLETE	REMOVE PIPING FROM WM-180 TR-45 & DEMO IN THE LONG LOST TENT	
Unit Totals		10,603.2	618		0						

R/WPs by Revision for Selected Units

Printed on: 06/15/2005

Begin and End Dates: 01/01/2005 Thru 06/15/2005

INL CPPTF	CPP TANK FARM				DAC	Status	Description
	RWP No.	Cal Hours	ED Estimate	Approved Estimate			
	31004672 01	89.4	5	499	0	ACTIVE	TANK FARM GENERAL REACH ACROSS, GLOVEBAG & GLOVEBOX WORK.
	31004673 00	801.9	41	499	0	ACTIVE	TANK FARM GENERAL WORK ACTIVITIES. RADCON SURVEYS.
	31004779 00	201.0	16	500	0	ACTIVE	HIGH RADIOLOGICAL RISK PULLING TANK FARM SAMPLES. SURVEYS.
	31004847 00	55.7	0	100	0	ACTIVE	OPERATIONAL ACTIVITIES IN TANK FARM TENTS. RADCON SURVEYS.
	31004850 00	159.9	7	300	0	ACTIVE	LOW RISK JET, PROBE, DIRECTIONAL NOZZEL, CAMERA, WASHBALL WORK.
	31004870 00	37.3	7	50	0	ACTIVE	ABOVE GROUND TRANSFER LINE WORK & INSPECTIONS. RADCON SURVEY
	31004980 00	19.7	16	140	0	ACTIVE	INITIAL ENTRY SURVEYS OF TANK FARM VALVE BOXES B2 AND B4.
	31005051 01	16.4	2	50	0	ACTIVE	INSPECTIONS AND FIELD MEASUREMENTS IN VALVE BOX B-4
	31005052 01	98.9	44	50	0	CLOSED	TANK FARM VALVE BOX B-2 INSPECTIONS AND MEASUREMENTS.
	31005079 00	58.8	164	400	0	CLOSED	DEMO AND INSTALLATION OF B-2 PROCESS LINES AND VALVES.
	31005079 00	265.7	248	400	0	CLOSED	DEMO AND INSTALLATION OF B-2 PROCESS LINES AND VALVES.
	31005079 00	141.2	62	1,000	0	CLOSED	DEMO AND INSTALLATION OF B-2 PROCESS LINES AND VALVES.
	31005079 07	26.3	6	1,000	0	ACTIVE	DEMO AND INSTALLATION OF B-2 PROCESS LINES AND VALVES.
	31005080 01	27.2	44	500	0	CLOSED	DEMO AND INSTALLATION OF B-4 PROCESS LINES AND VALVES.
	31005080 02	84.3	147	400	0	CLOSED	DEMO AND INSTALLATION OF B-4 PROCESS LINES AND VALVES.
	31005080 03	308.5	165	400	0	ACTIVE	DEMO AND INSTALLATION OF B-4 PROCESS LINES AND VALVES.
Unit Totals		2,392.0	974		0		